



O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc

1. Project Name: KALAUPAPA LANDING

2. Date of Inspection: April 5, 2007

3. Inspection Personnel:

Name Agency/Office Telephone No.

1. Dan Meyers COE (CEPOH-EC-T) 438-8875
2. Maj. Robert Kroniong COE (CEPOH-DD) 438-1069



4. Discussion:

Meet with Mr. Mike McCarten, Administrator, DOH, (97-808-567-6613) for discussions. Mike is concerned that when Young Brothers decommissions their smaller barge service to the Settlement will be impacted due to small harbor size. At the previous years inspection McCarten stated there had been no apparent changes within the project limits however; there were concerns with the erosion and undermining of a bulkhead wall adjacent to the existing landing. The noted discrepancies and reference photographs are as follows:



O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc



a. Sta. 0+00, Oceanside (OS), overview.



b. Sta. 0+28, Begin Armor Stones on Oceanside.



O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc



c. Sta. 0+67 to Sta. 0+76, OS, monitor missing armor stones at the waterline.



d. Sta. 0+57 to Sta. 0+98, OS, Overview



O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc



e. Sta. 1+18, OS, missing armor stones and sideslope steepening, photo taken from top of sideslope to toe.



f. Sta. 1+18, HH, missing armor stones at the waterline.



O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

**Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T**

Kalaupapa 07rpt-sbh.doc



g. Sta. 0+78, Harborside (HS), Overview



h. Sta. 0+57 to Sta. 1+04, HS, overview of breakwater crestwall.



O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

**Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T**

Kalaupapa 07rpt-sbh.doc



- i. Sta. 0+78, to Sta. 0+59, breakwater crestwall, spalling cracks at surface, monitor.



- j. NonFederal Portion with large voids.



O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc



k. NonFederal Portion Shoreline adjacent landing .

5. Conclusion:

The overall rating of the project is **FAIR**. There are indications of armor stone movement at the breakwater's root, trunk areas on the oceanside of the structure and additional armor stone displacement observed at the harborside head area.

Signed: _____
Dan Meyers, CEPOH-EC-T

Signed: _____
James Pennaz, P.E., Ch, CEPOH-EC-T

Enclosure(s)

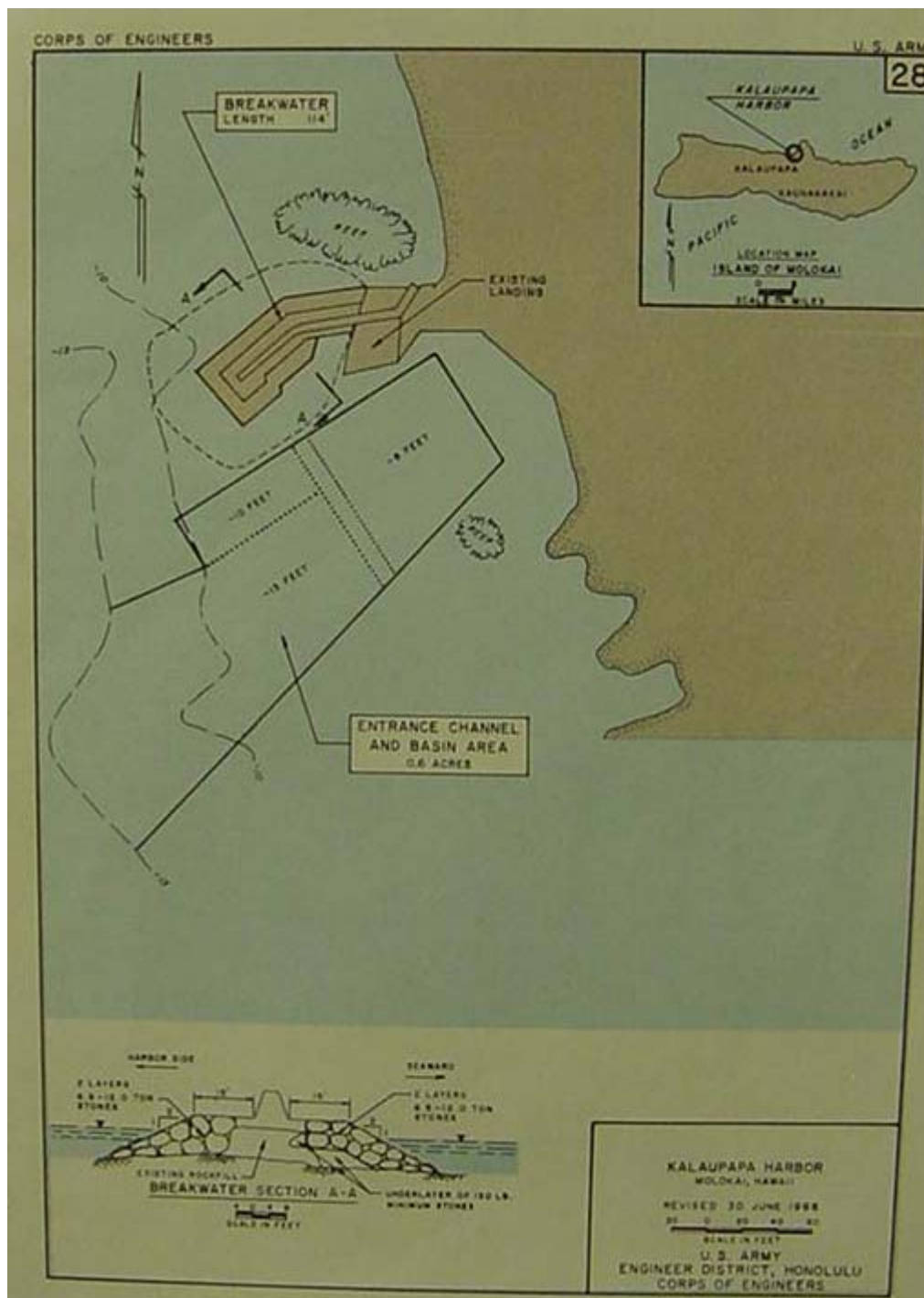
1. FY 2000 Photos
2. Site Plan & Fact Sheet
3. Color Plan View
4. B/W Details
5. 1984 Aerial Photos



O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc





O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc

KALAUPAPA HARBOR, MOLOKAI, HAWAII Condition of Improvement, 30 June 1973

LOCATION: Kalaupapa Harbor is on the north coast of the island of Molokai, approximately 57 nautical miles east of Honolulu.

AUTHORITY: The project was authorized under Section 107, River and Harbor Act of 1960.

PROJECT: The existing project provides for (a) breakwater 114 feet long, and (b) basin 110 feet in width at the seaward end and 70 feet near shore, 305 feet long and 13 feet deep for the seaward 210 feet, a 10-foot wide transition from 13 to 8 feet, and 8 feet for the shoreward portion.

PROGRESS OF WORK: The project was completed in September 1967.

COST OF CONSTRUCTION:

	<u>New Work</u>	<u>Maintenance</u>	<u>Total</u>
Federal (Corps of Engineers) Funds	\$157,997	\$3,127	\$161,124

RANGE OF TIDE: The range of tide between mean lower low water and mean higher high water is 1.8 feet, and extreme tidal range under normal conditions is 3.8 feet.

CONTROLLING DEPTHS: Controlling depth as of September 1967 was 8 feet in the barge basin.



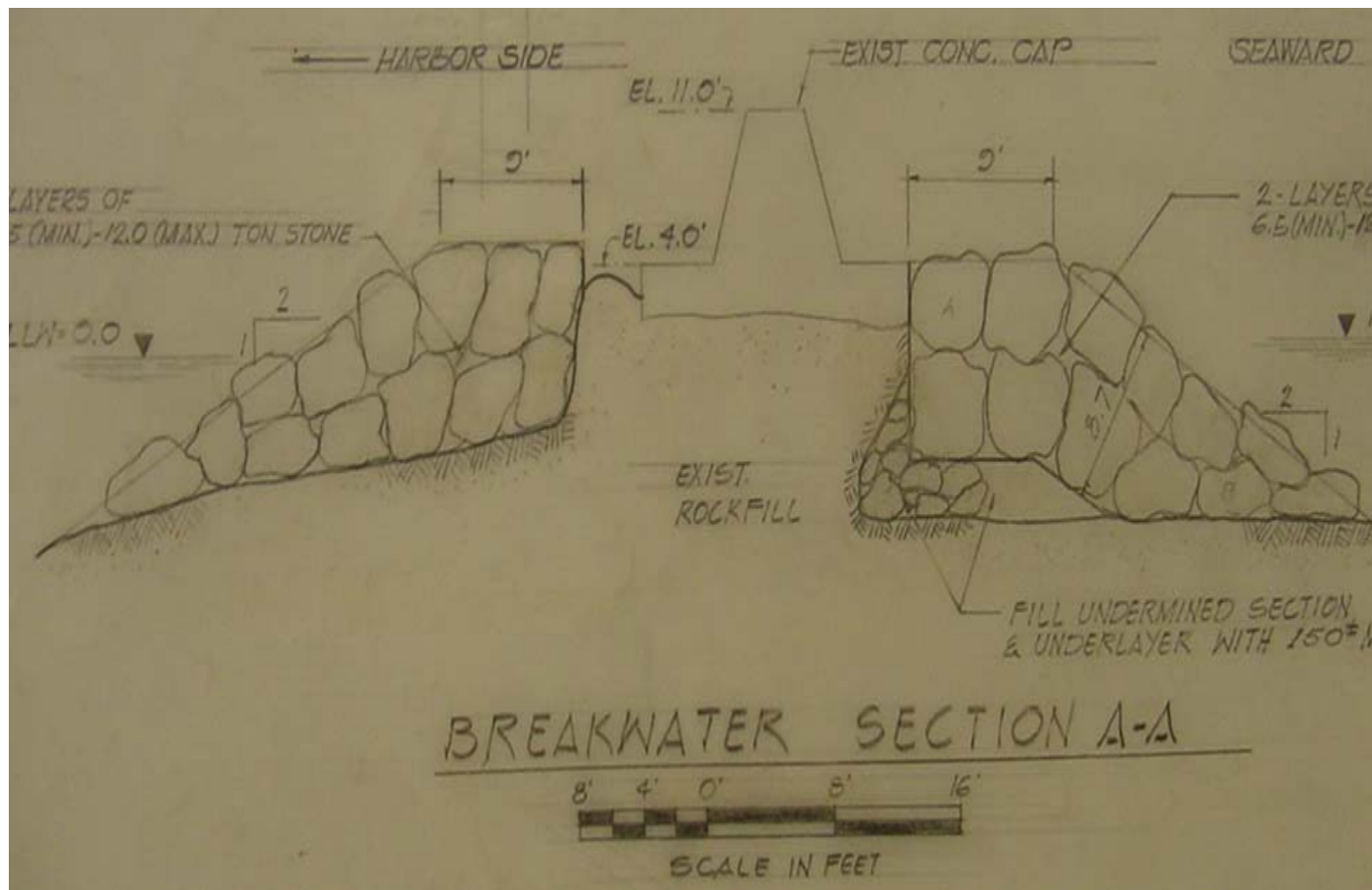
Kalaupapa 07rpt-sbh.doc



O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc

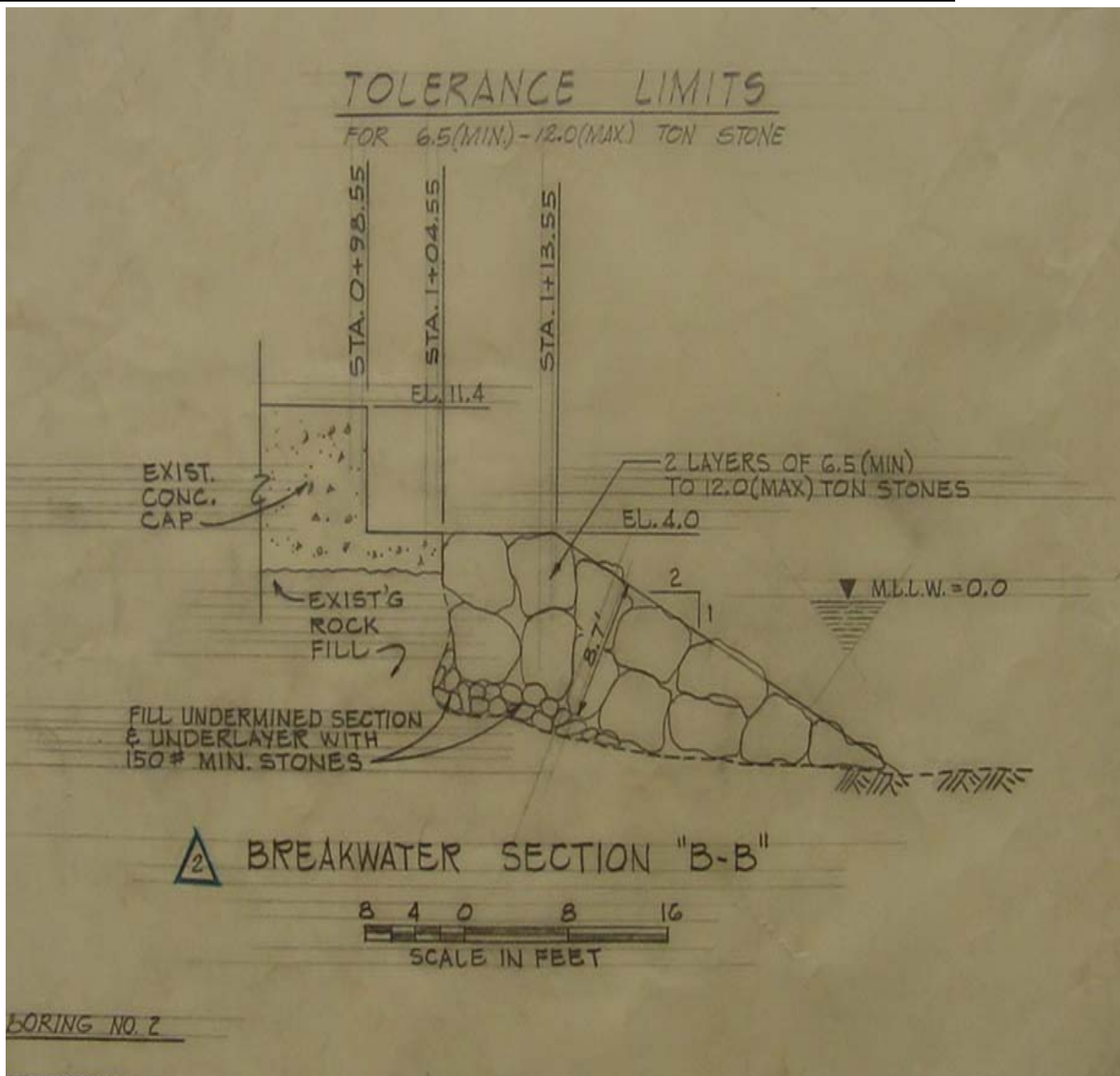




O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc

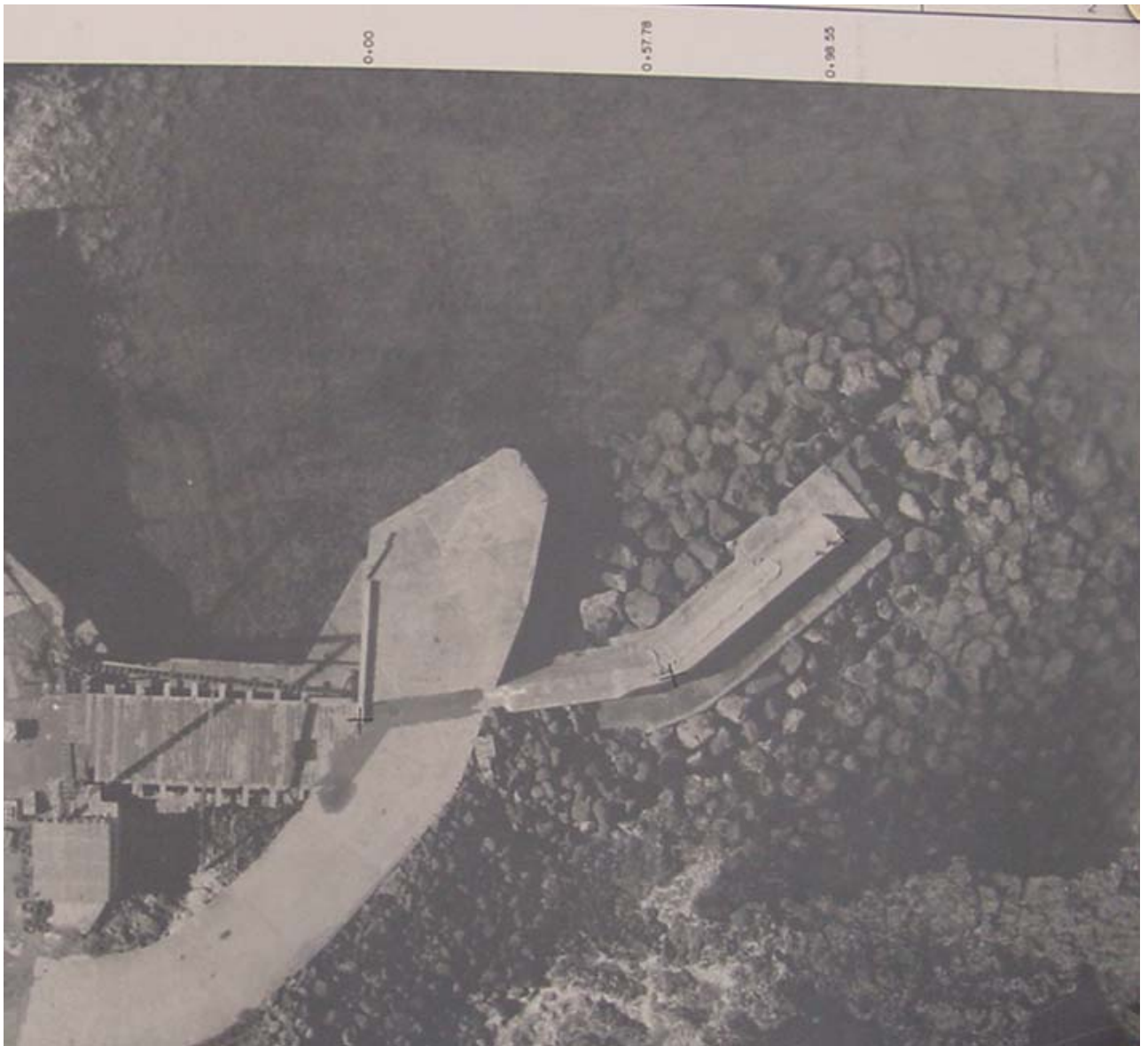




O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc





O&M INSPECTION REPORT FOR NAVIGATION PROJECTS

Kalaupapa Landing
Honolulu Engineer District
CEPOH-EC-T

Kalaupapa 07rpt-sbh.doc

